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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/814,944

03/30/2004

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20412-08454

8290

76137 7590 08/07/2008

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EXAMINER

TRAN, MYLINH T

ART UNIT

PAPER NUMBER

2179

NOTIFICATION DATE

DELIVERY MODE

08/07/2008

ELECTRONIC

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

PTOC@FENWICK.COM  
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<b>Office Action Summary</b>	<b>Application No.</b> 10/814,944	<b>Applicant(s)</b> HULL ET AL.	
	<b>Examiner</b> MYLINH TRAN	<b>Art Unit</b> 2179	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 29 February 2008.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-3,5-27,29-31 and 33-48 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-3,5-27,29-31 and 33-48 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All    b) ☐ Some \*    c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |  |   |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                       | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)   | Paper No(s)/Mail Date. _____                                      |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____  | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114.

Applicant's submission filed on 04/28/08 has been entered.

Applicant's amendment filed on 04/28/08 has been entered and been carefully considered. Claims 1, 2, 6, 27, 36, 38, 41-44, 46 have been amended. Claims 1-3, 5-27, 29-31 and 33-48 have been amended. However, the limitations of the amended claims have not been found to be patentable over prior art of record. These claims are rejected under the new ground of rejection as set forth below.

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-3, 5-27 and 36-48 are rejected under 35 U.S.C. 102(b) as being anticipated by Lowitz et al. [US. 5,485,554].

**As to claims 1 and 27**, Lowitz et al. teaches displaying a print dialog driver box to a user (column 12, lines 20-50); a user interface for receiving instruction from a user for controlling segmentation of media content (column 5, lines 8-25) and generation of a printable representation of the media content (column 4, lines 8-25); and a media analysis module communicatively coupled to the user interface, the media analysis module analyzing features of the media content to extract a segment of the media content based at least in part on the instructions received from the user in the user interface (column 11, lines 3-30), a media representation generation module for generating a printable representation of the media content based at least in part on the extracted segment of the media content (column 12, lines 20-50) and the instructions received from the user in the user interface; and an output device for printing the printable representation of the media content to a tangible medium (column 13, lines 12-50).

**As to claim 2**, Lowitz also teaches the media analysis module further comprising content recognition software for recognizing the analyzed features in the media content (column 10, lines 5-50).

**As to claim 3**, Lowitz teaches processing logic for controlling display of the user interface (column 3, lines 37-60).

**As to claim 5**, Lowitz also teaches hardware for writing a digital media representation of the media content in digital format (column 4, lines 8-25).

**As to claim 6**, Lowitz teaches a storage medium for storing the digital representation of the media content written in digital format (column 6, lines 1-36).

**As to claims 7 and 48**, Lowitz teaches the output device being configured to print to a paper format (column 2, lines 5-35).

**As to claim 8**, Lowitz teaches the output device being configured to print at least one user-selectable identifier associated with the media content (column 11, lines 2-10).

**As to claim 9**, Lowitz teaches at least one barcode identifying the media content in the printable representation (column 11, lines 10-30).

**As to claims 10 and 44**, Lowitz teaches at least one play identifier that can be selected to play an associated media content (column 11, lines 3-30).

**As to claims 11 and 45**, Lowitz teaches a data structure for representing transformation of media content (column 4, lines 8-25).

**As to claim 12**, Lowitz teaches a communication monitoring module for monitoring communication between the components of the system, wherein the communication monitoring module forwards requests for information and replies to requests among system components (column 2, lines 15-34).

**As to claim 13**, Lowitz also teaches the user interface further comprising a selection menu for allowing a user to select feature analysis to be performed on media content (column 3, line 60 through column 4, line 25).

**As to claims 14 and 40**, Lowitz teaches a field for setting a threshold on

confidence values associated with results of analyzing the features of the media content (column 10, lines 23-50).

**As to claims 15 and 42**, Lowitz teaches at least one field for managing and modifying display of media information in the printable representation of the media representation (column 5, line 60 through column 6, line 8).

**As to claims 16 and 41**, Lowitz teaches a preview field for previewing active media frames within selected media content (column 9, lines 1-20).

**As to claim 17**, Lowitz teaches a preview field for previewing the printable representation generated by the media representation generation module (column 9, lines 1-20).

**As to claim 18**, Lowitz teaches one content selection field for selecting segments of the media content from at least one source to be displayed in the printable representation of the media content (column 9, lines 50-65).

**As to claims 19 and 43**, Lowitz teach a selector that a user can slide along the content selection field in order to select segments to be displayed in a media representation (column 9, lines 50-65).

**As to claim 20**, Lowitz teaches graphical illustration of the media content from which a user can view the media content and select segments of the media content (figure 4).

**As to claim 21**, Lowitz teaches an audio waveform timeline displaying audio content (column 10, lines 24-50).

**As to claim 22**, Lowitz teaches a video timeline displaying video frames extracted from video content (column 10, line 50 through column 11, line 10).

**As to claim 23**, Lowitz also teaches a video timeline displaying text extracted from video content (column 4, lines 8-25).

**As to claim 24**, Lowitz teaches a field for displaying the results of analyzing the media content, the results of being displayed as defined segments along a timeline (column 10, lines 23-56).

**As to claim 25**, Lowitz teaches an output device driver module for driving the media content analysis and the media representation generation, the output device driver module being communicatively coupled to the user interface to receive user instructions (column 11, lines 2-30).

**As to claim 26**, Lowitz also teaches an augmented output device for generating a media representation, the augmented output device being communicatively coupled to the media analysis software module to receive transformed media data, the augmented output device being communicatively coupled to the output device driver module to receive instructions for media representation generation (column 10, lines 5-50).

**As to claims 36 and 46-47**, Lowitz teaches adding a print function to a media rendering application for printing a media representation (column 5, lines 1-25).

**As to claim 37**, Lowitz teaches storing media content on a storage medium that is accessible to augmented output device (column 11, lines 30-67).

**As to claim 38**, Lowitz teaches the print dialog box further displaying media

content formatting options to a user (column 5, line 60 through column 6, line 8).

**As to claim 39**, Lowitz teaches selecting an analysis technique to be applied to media content, wherein the analysis technique recognizes defined features in the media content (column 10, line 23 through column 11, line 30).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 29-31 and 33-35 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lowitz et al in view of Freedman [US. 2004/0249650].



**As to claim 29**, Lowitz fail to clearly teach performing speech recognition on the media data. However, Freedman teaches the feature at page 8, 0045. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of Lowitz. The motivation of the combination would have been for the advantage of increasing an operation speed in the media representation generation.

**As to claim 30**, Lowitz fail to clearly teach the optical character recognition on the media data. However, Freedman teaches the features at page 15, 0064. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of Lowitz. The motivation of the combination would have been for the advantage of increasing an operation speed in the media representation generation.

**As to claims 31 and 34**, Lowitz fail to clearly teach analyzing features of media data further comprises performing face recognition on the media data. However, Freedman teaches the features at page 15, 0064. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of Lowitz. The motivation of the combination would have been for the advantage of increasing an operation speed in the media representation generation.

**As to claim 33**, Lowitz fail to clearly teach performing speaker detection on the media data. However, Freedman teaches the features at page 9, 0048. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of Lowitz. The motivation of the combination would have been for the advantage of increasing an operation speed in the media representation generation.

**As to claim 35**, Lowitz fail to clearly teach performing event detection on the media data. However, Freedman teaches the features at page 6, 0040. It would have been obvious to one of ordinary skill in the art, at the time the invention was made, to combine the teaching of Lowitz. The motivation of the combination would have been for the advantage of increasing an operation speed in the media representation generation.

### **Response to Arguments**

Applicant has argued that Lowitz fails to clearly teach analyzing features of media content. However, the examiner respectfully disagrees because Lowitz teaches analyzing features of media content by analyzing a bar code and a time code to extract a desired image (column 11, lines 10-30). Applicant's attention is directed to column 11, lines 3-30, cited "information such as the index used to identify a sequential location (e.g. time code) of at least a portion of a frame within the input video data stream can be printed on the printable medium using a bar code representation." and "the use of bar code, or other electronic coding, ensures random access, error-free entry of a time code read from the printable

medium. That is, during a subsequent video editing process, the printable medium which includes a video image and the associated bar code time code information can be used as follows. The user can scan the bar code on the printable medium with a bar code reader. Control signals received by the bar code reader can then be used to automatically activate a video storage device to advance to the frame associated with the printed video image. Thus, quick, easy and accurate access to a particular portion of an input video data stream can be achieved. In this sense, the printed video images can be used to video index the input video data stream and to quickly advance to any desired frame".

### **Conclusion**

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mylinh Tran. The examiner can normally be reached on Mon - Thu from 7:00AM to 3:00PM at 571-272-4141.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Weilun Lo, can be reached at 571-272-4847.

The fax phone numbers for the organization where this application or proceeding is assigned are as follows:

571-273-8300

Art Unit: 2179

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Mylinh Tran

Art Unit 2179

/Weilun Lo/

Supervisory Patent Examiner, Art Unit 2179